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Fig. 1

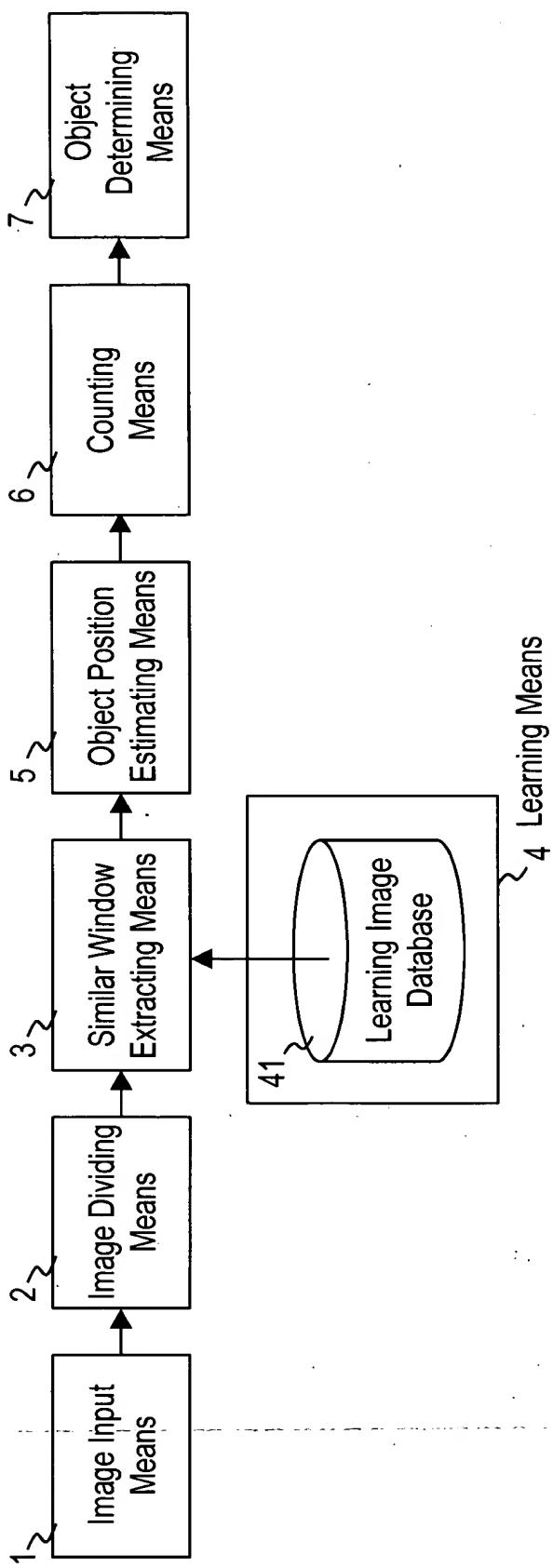


Fig. 2

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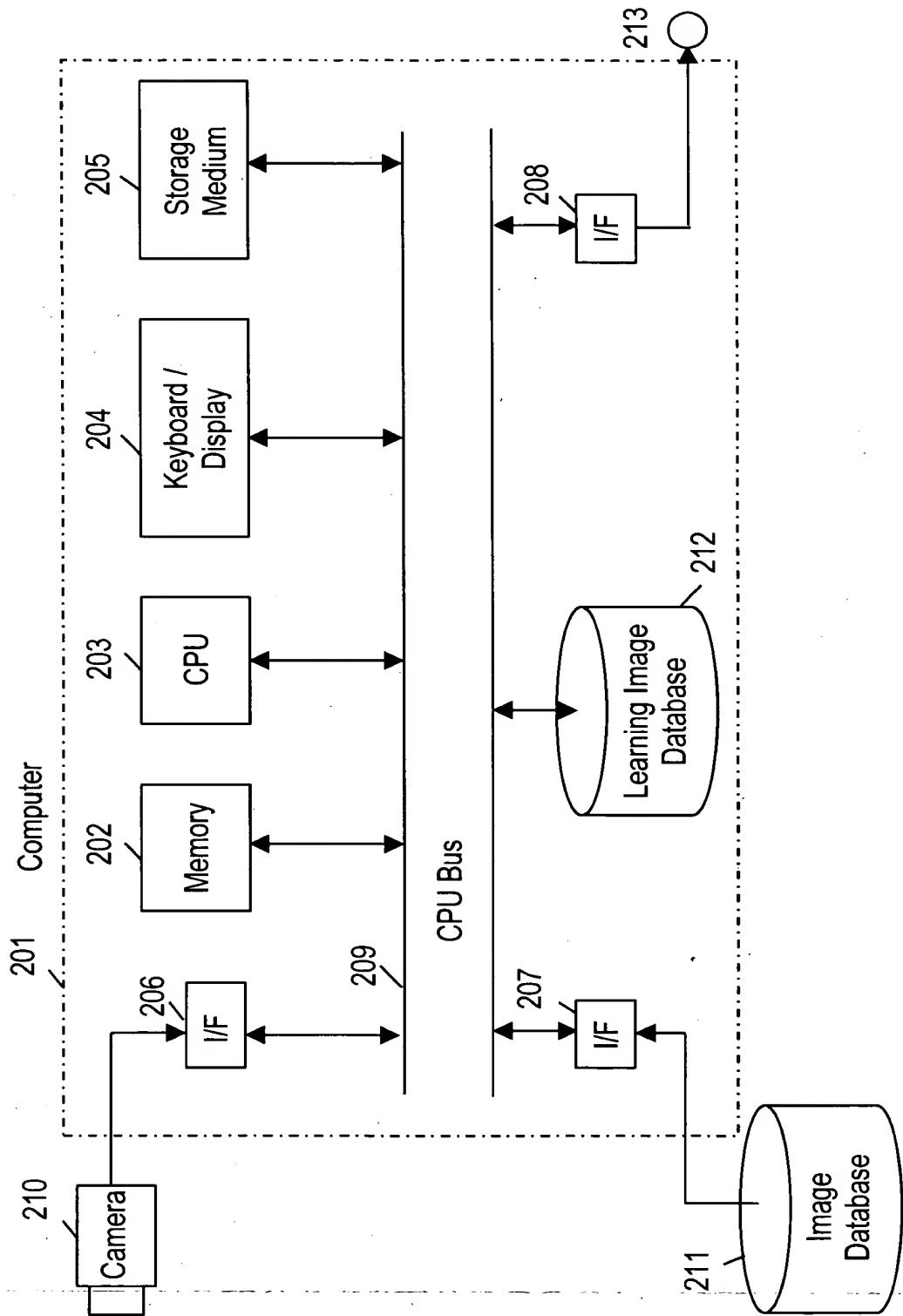


Fig. 3

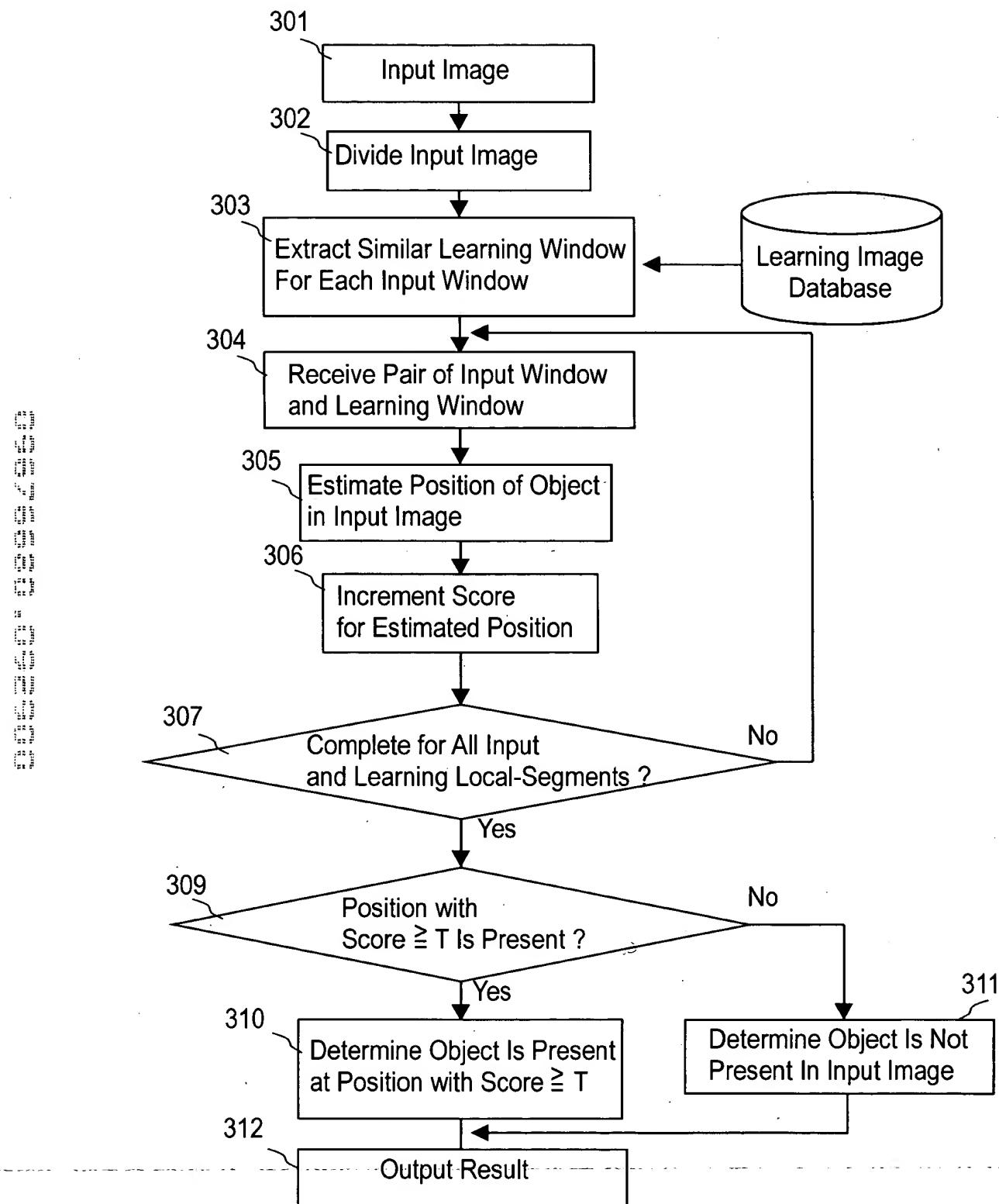
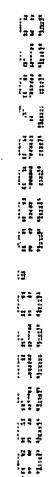


Fig. 4



402

Center Coordinates of Local-Segment

403

401
Input Image

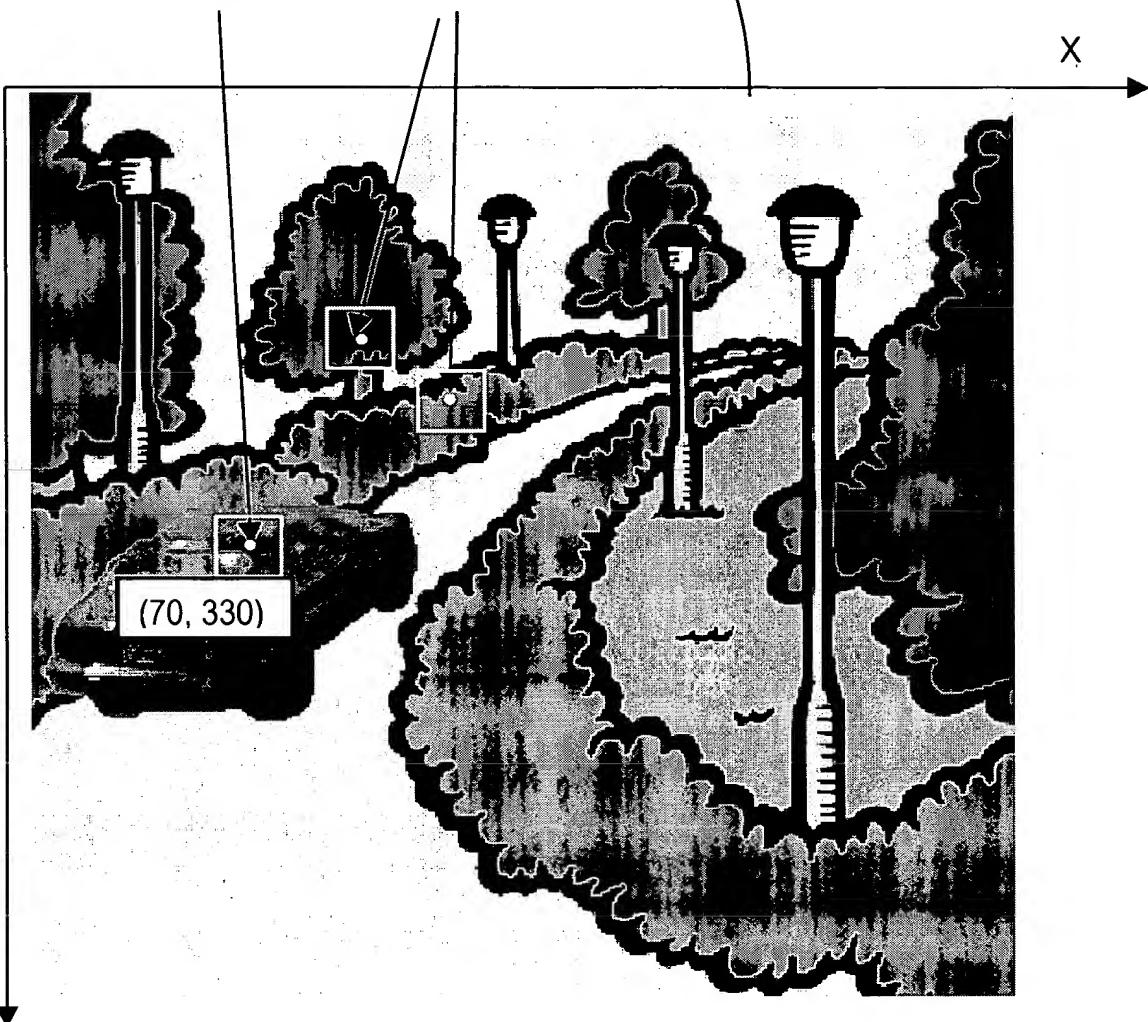
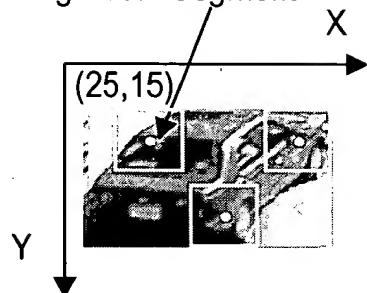


Fig. 5

503

Center Coordinates of
Learning-Local-Segment

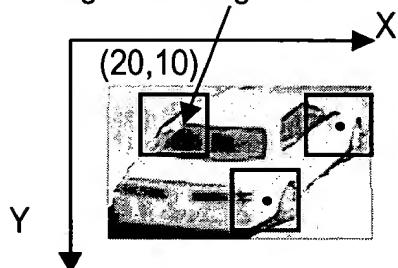


501

Learning Image 1

504

Center Coordinates of
Learning-Local-Segment



502

Learning Image 2

Fig. 6

Center Coordinates of Input Window	Center Coordinates of Learning Window
(40, 100)	(75, 365)
(119, 86)	(159, 350)
(198, 72)	(230, 340)
•	•
(54, 179)	(90, 440)
•	•
(291, 88)	(225, 345)
•	•
•	•
(208, 19)	(240, 280)

Fig. 7

Position	Score
(74, 365)	29
(20, 365)	5
•	•
•	•
•	•

Fig. 8

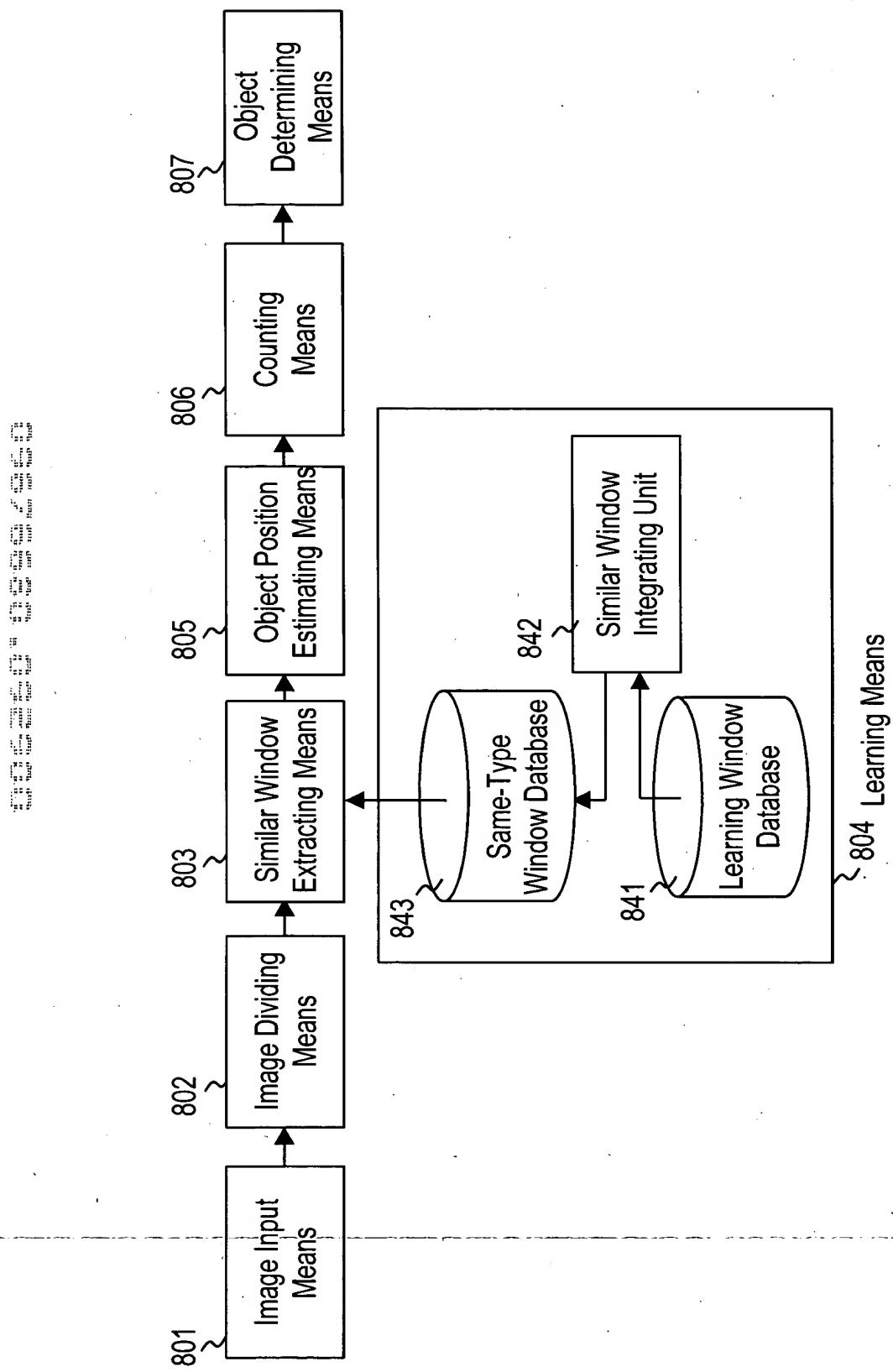


Fig. 9

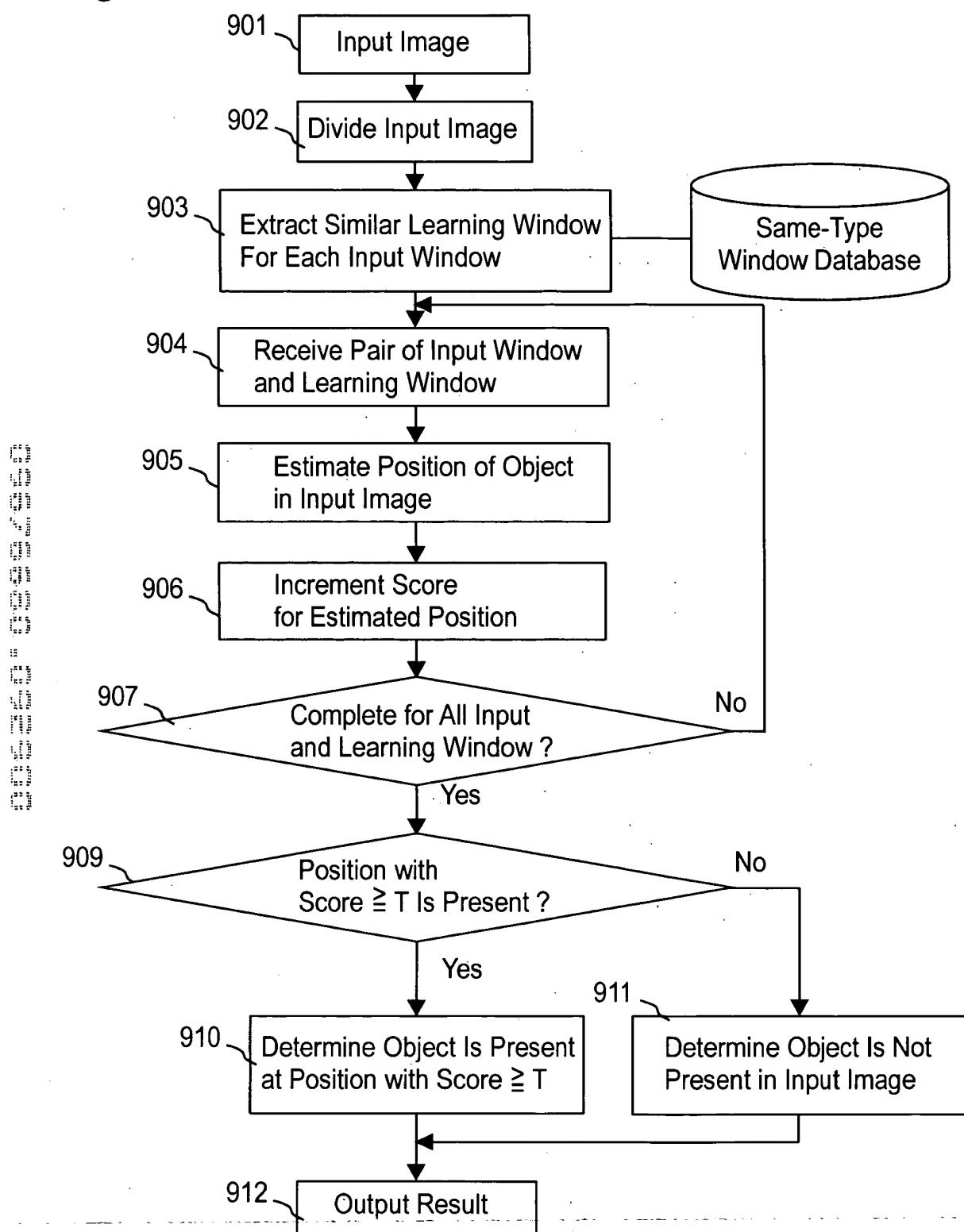


Fig. 10

00000000000000000000000000000000

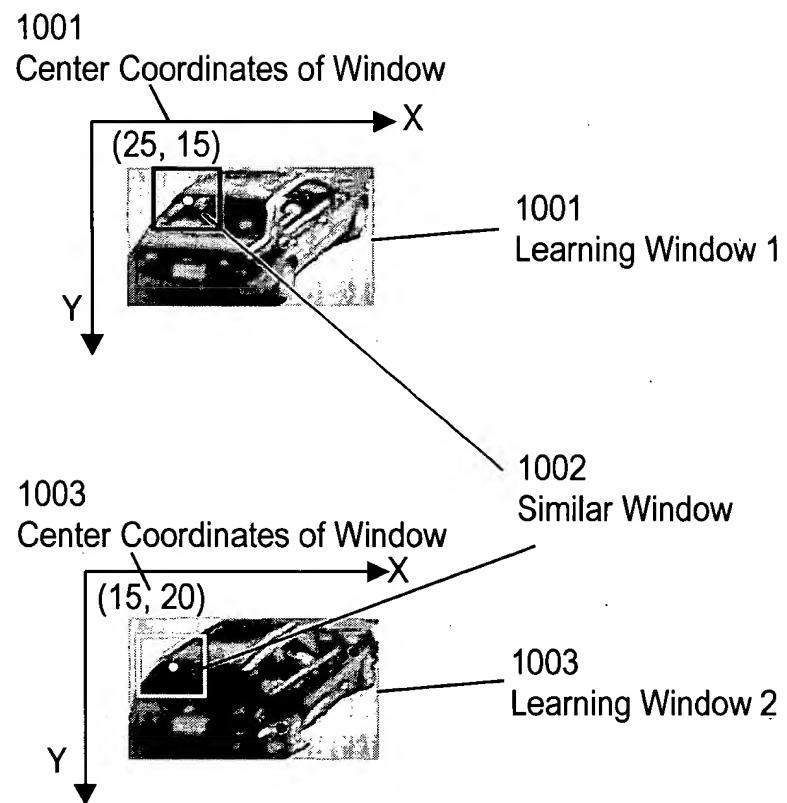
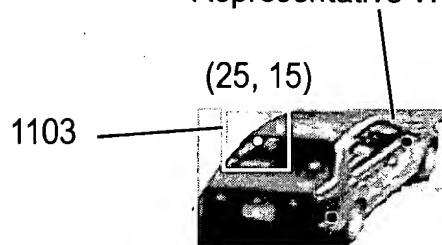


Fig. 11

1101

Representative Window



1102
Similar Window

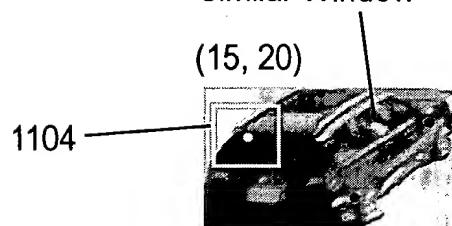


Fig. 12

Center Coordinates of Input Window	Center Coordinates of Learning Window	Type of Learning Window
(40, 100)	(75, 365)	Sedan
(40, 100)	(150, 350)	Van
(40, 100)	(230, 340)	Wagon
•	•	•
•	•	•
(24, 178)	(90, 440)	•
•	•	•
•	•	•
(291, 88)	(225, 345)	•
•	•	•
•	•	•
•	•	•
(208, 19)	(240, 280)	•

Fig. 13

Position	Score	Score by Type
(74, 365)	29	Sedan : 21, Van : 8
(20, 365)	5	Truck : 3, Bus : 2
•	•	•
•	•	•
•	•	•

Fig. 14

1401 Image Input Means
1402 Image Dividing Means
1403 Similar Window Extracting Means
1404 Learning Means
1405 Object Position Estimating Means
1406 Counting Means
1407 Object Determining Means

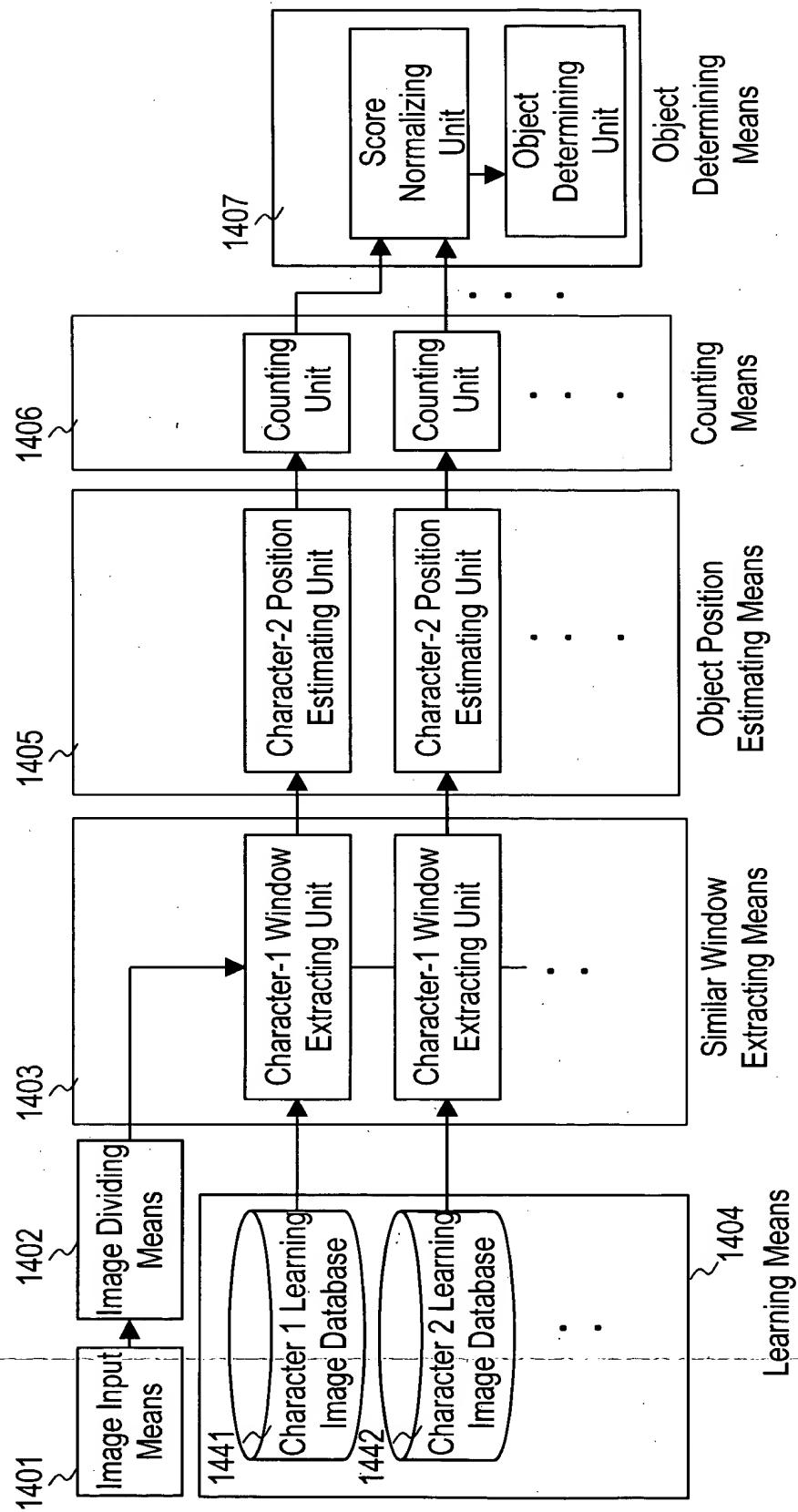


Fig. 15

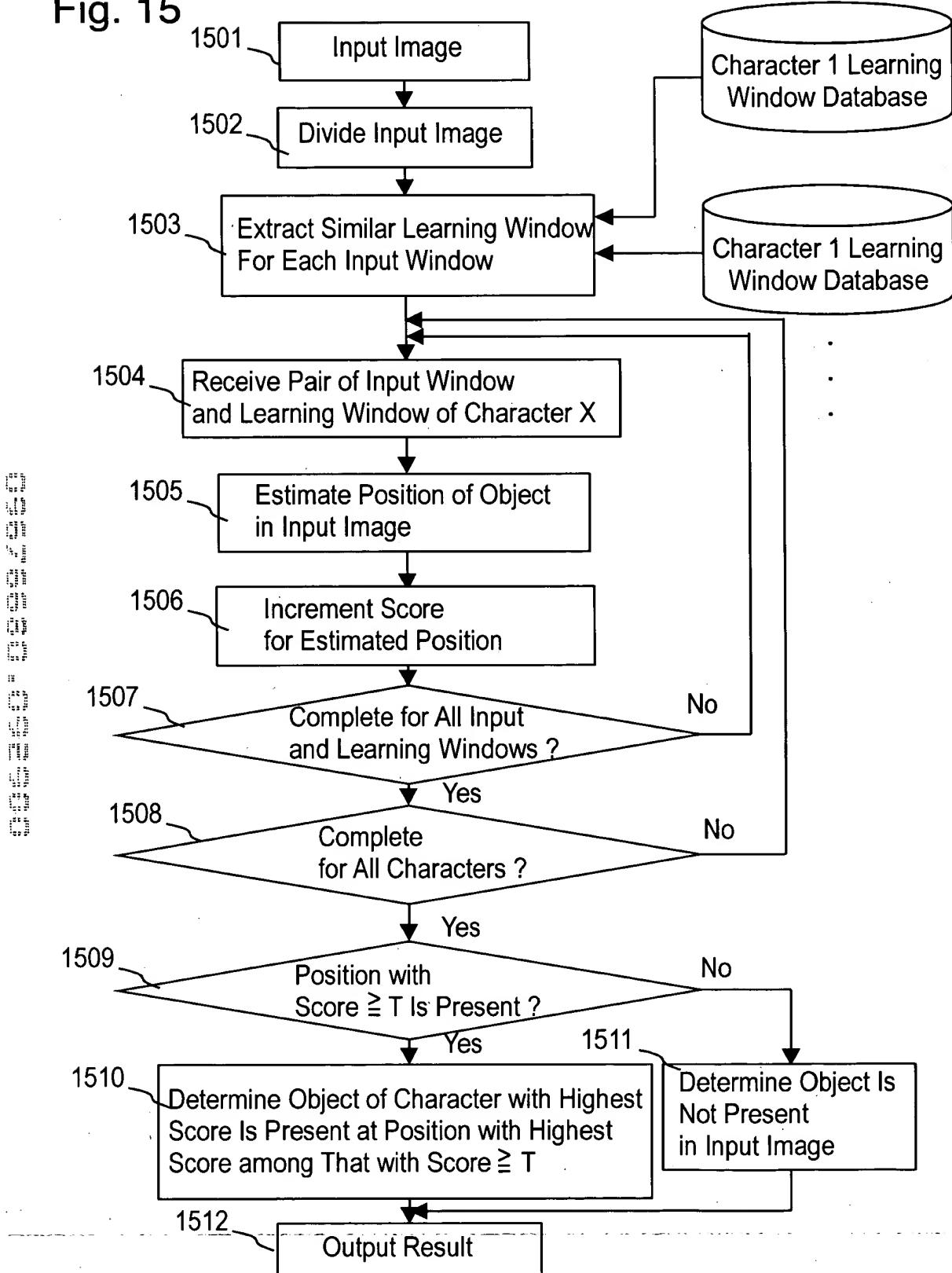
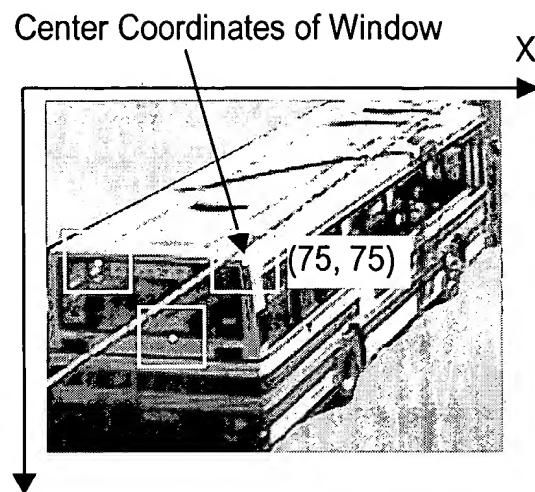


Fig. 16

Learning Image 10



Learning Image 11

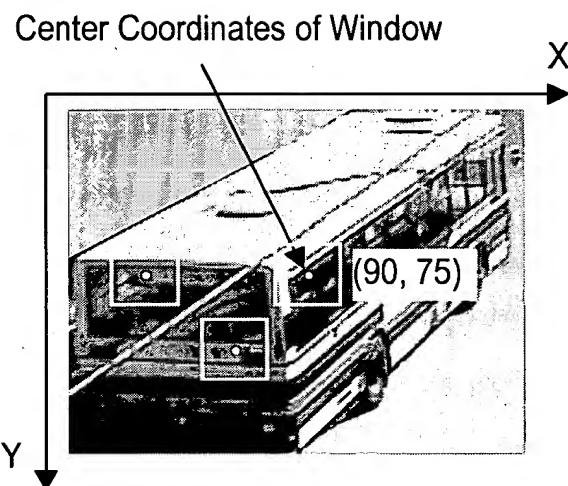


Fig. 17

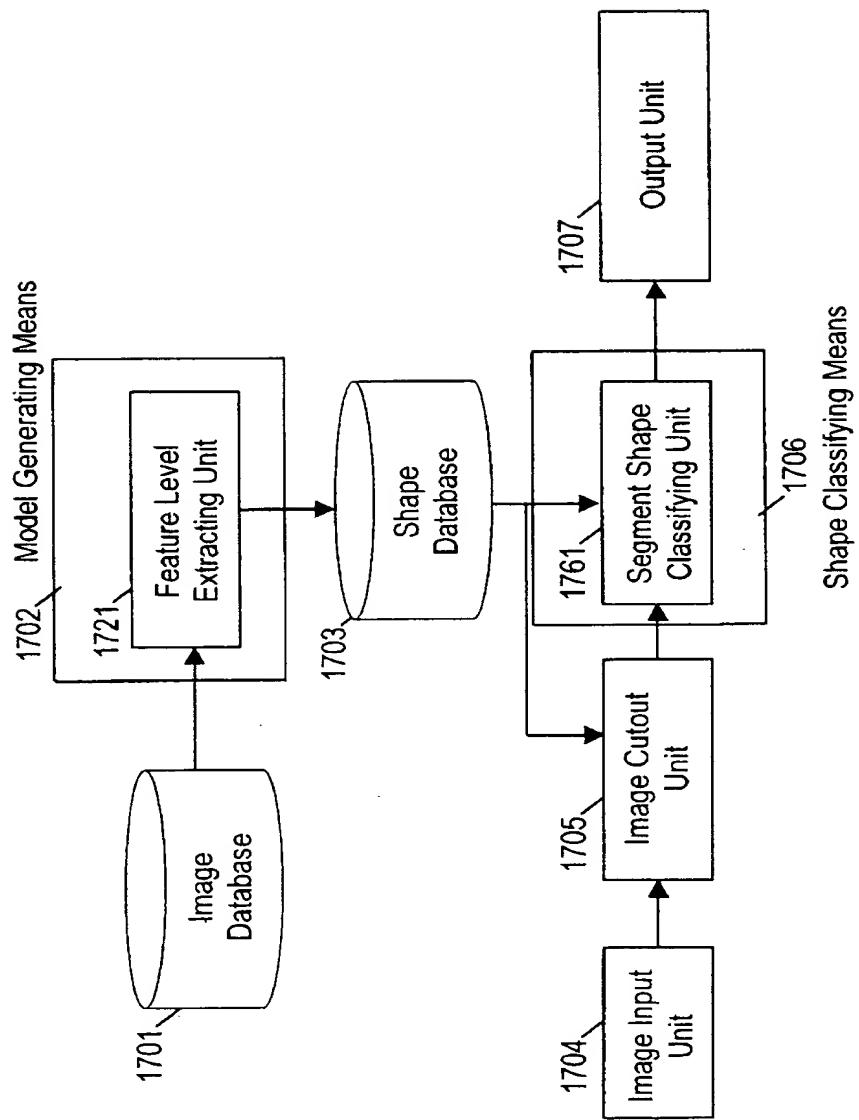


Fig. 18

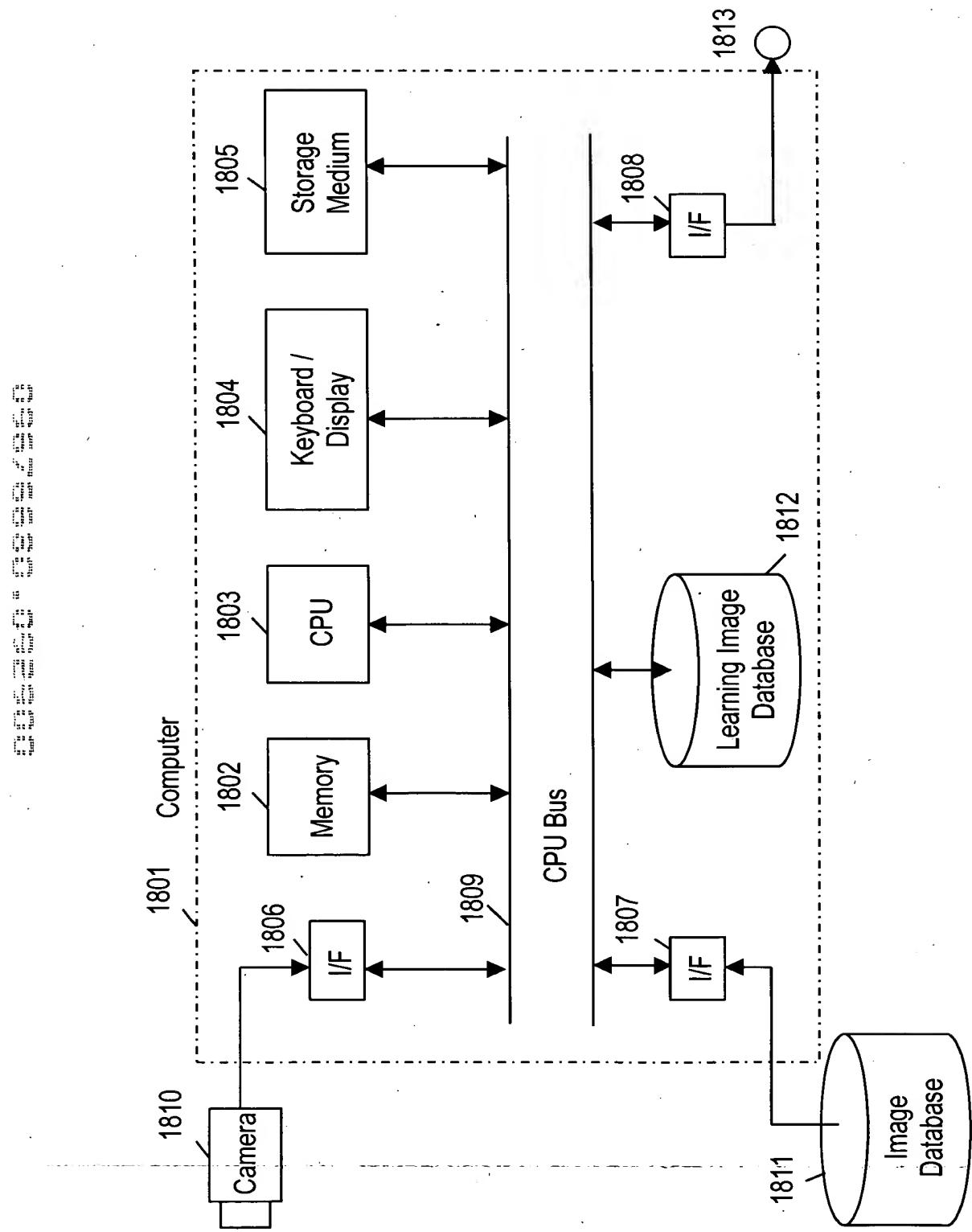


Fig. 19

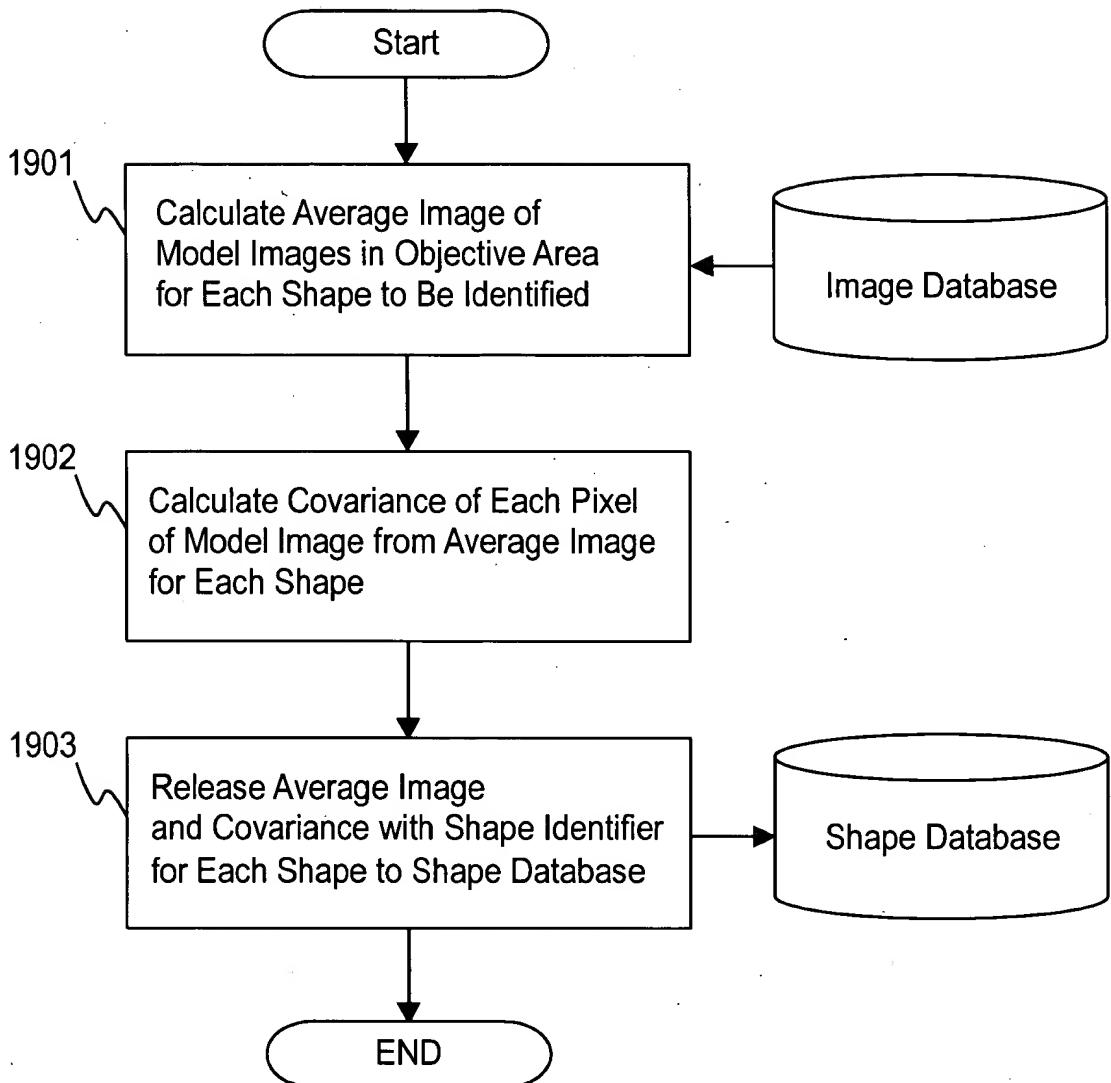


Fig. 20

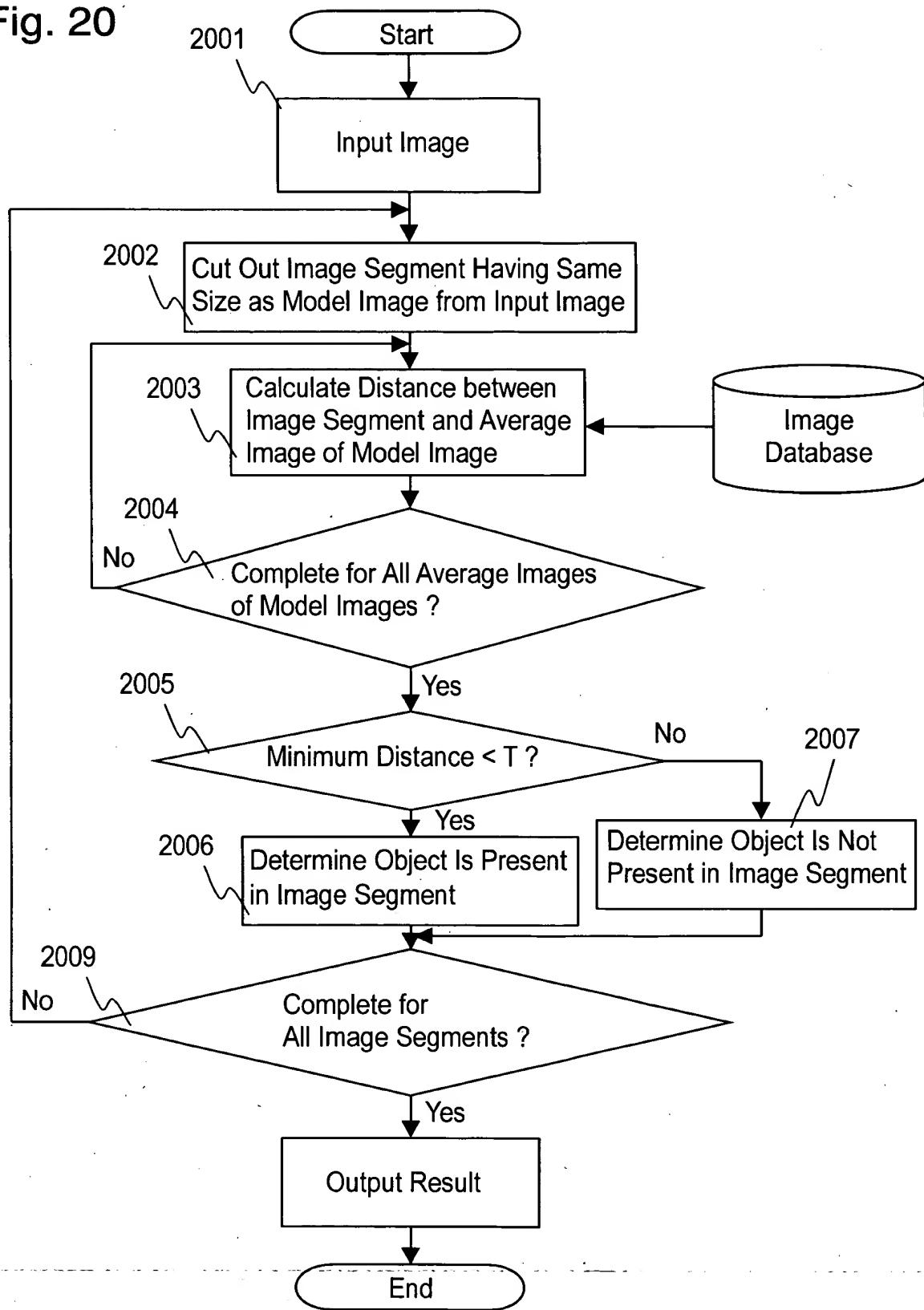
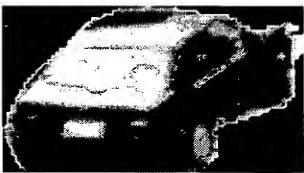
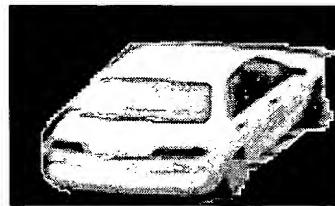


Fig. 21



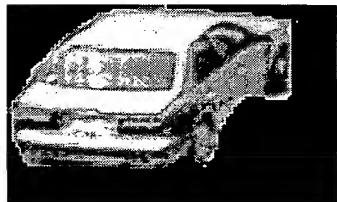
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Image File Name : sedan1
Objective Area : (0, 0) - (147, 87)



Shape Identifier :

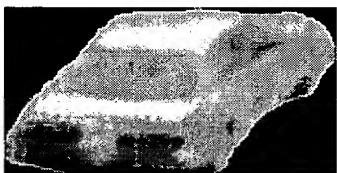
Shape Name : Sedan A
Image File Name : sedan2
Objective Area : (25, 30) - (172, 117)



Shape Identifier :

Shape Name : Sedan A
Image File Name : sedan3
Objective Area : (0, 0) - (147, 87)

Fig. 22



Shape Identifier :

Shape Name : Sedan A
Image File Name : average-sedan
Objective Area : (0, 0) - (147, 87)

Fig. 23

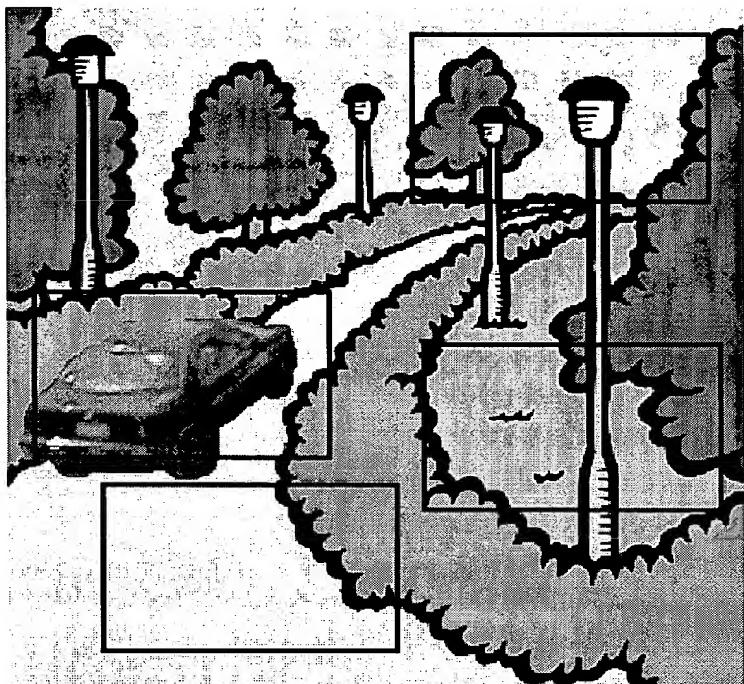


Fig. 24

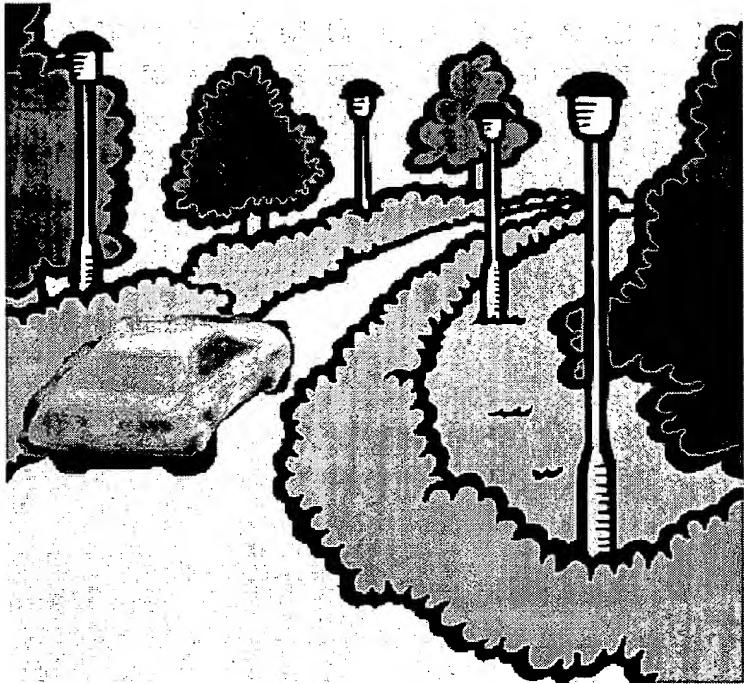


Fig. 25

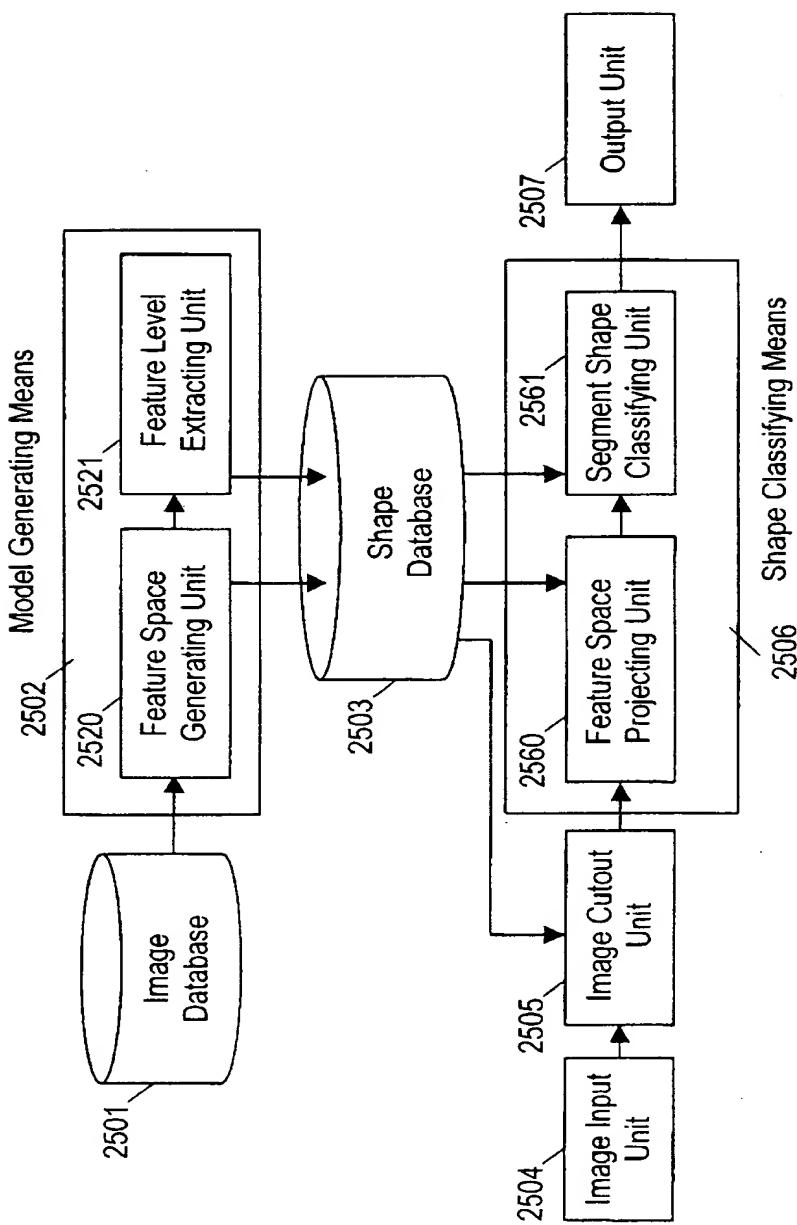


Fig. 26

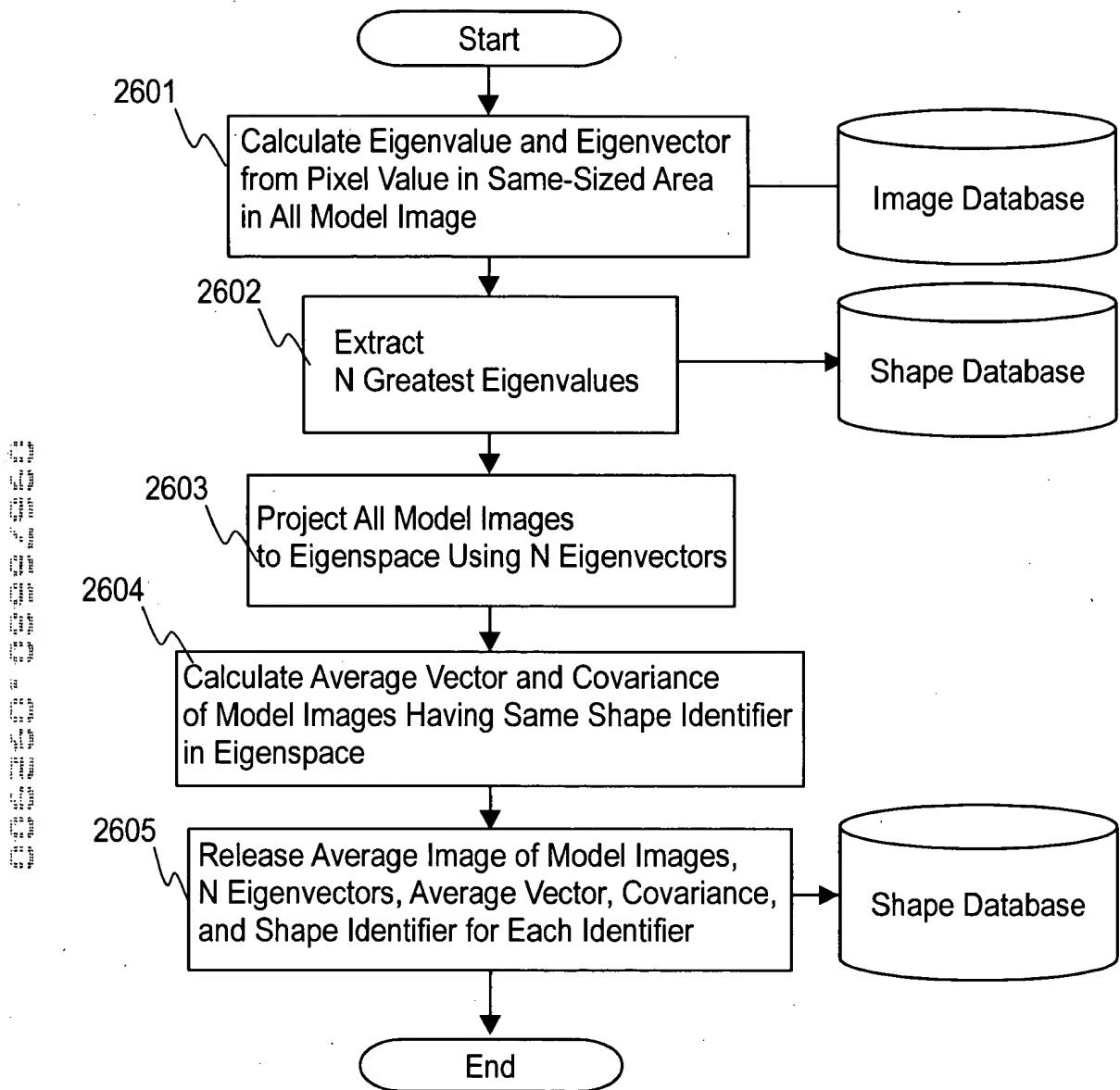


Fig. 27

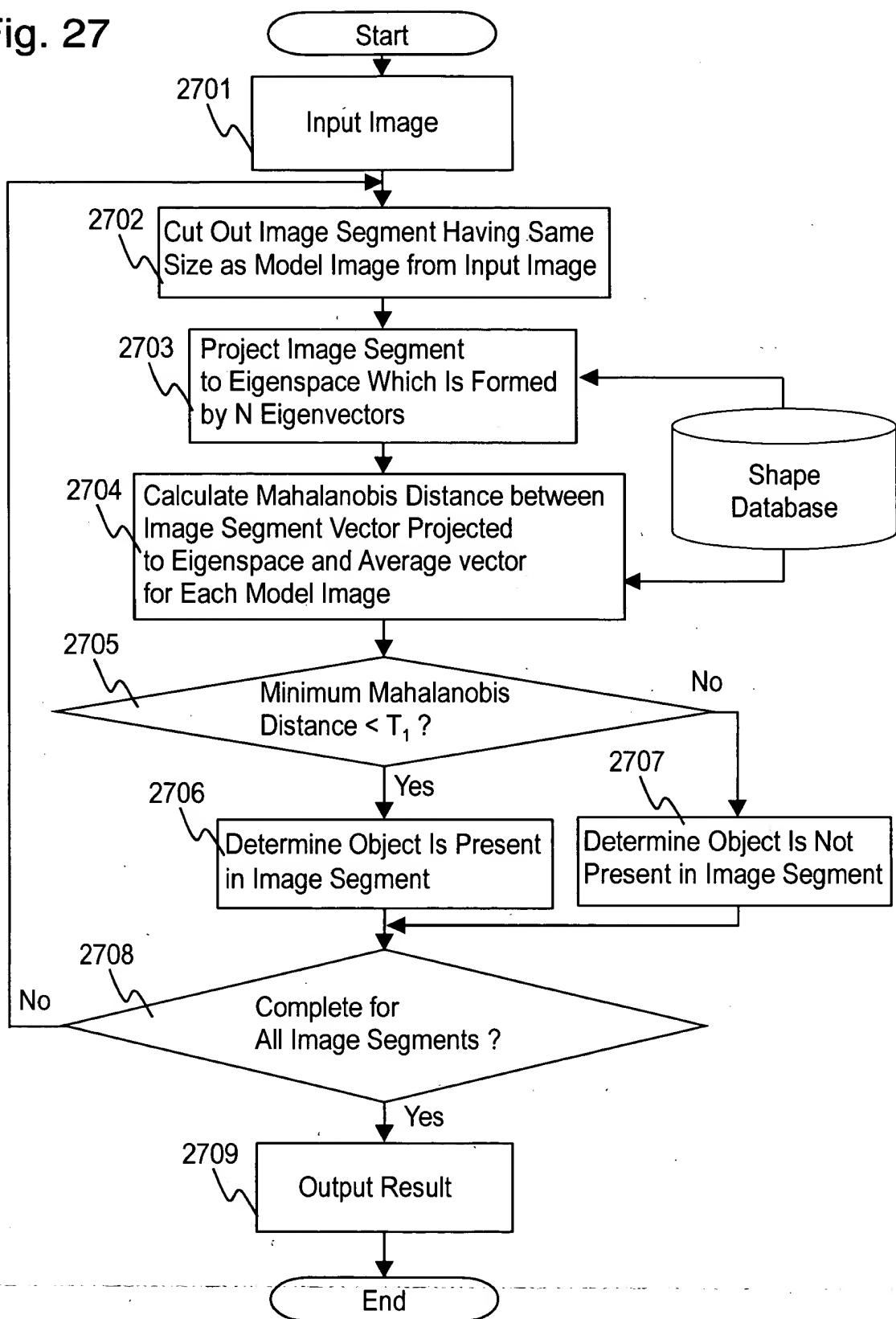
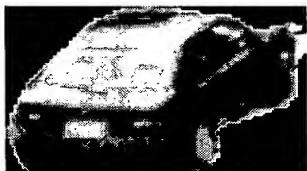
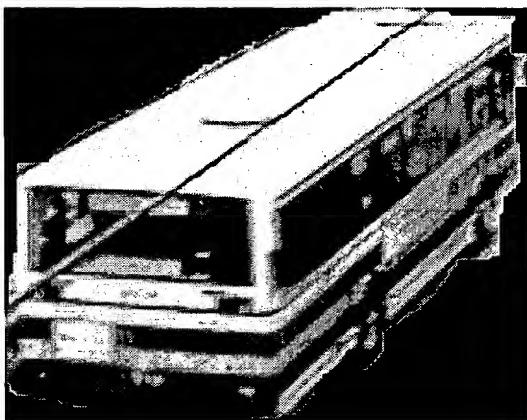


Fig. 28



Shape Identifier :

Shape Name : Sedan A
Image File Name : sedan1
Objective Area : (0, 0) - (147, 87)



Shape Identifier :

Shape Name : Bus Rear Portion
Image File Name : bus1
Objective Area : (50, 100) - (197, 187)

Fig. 29

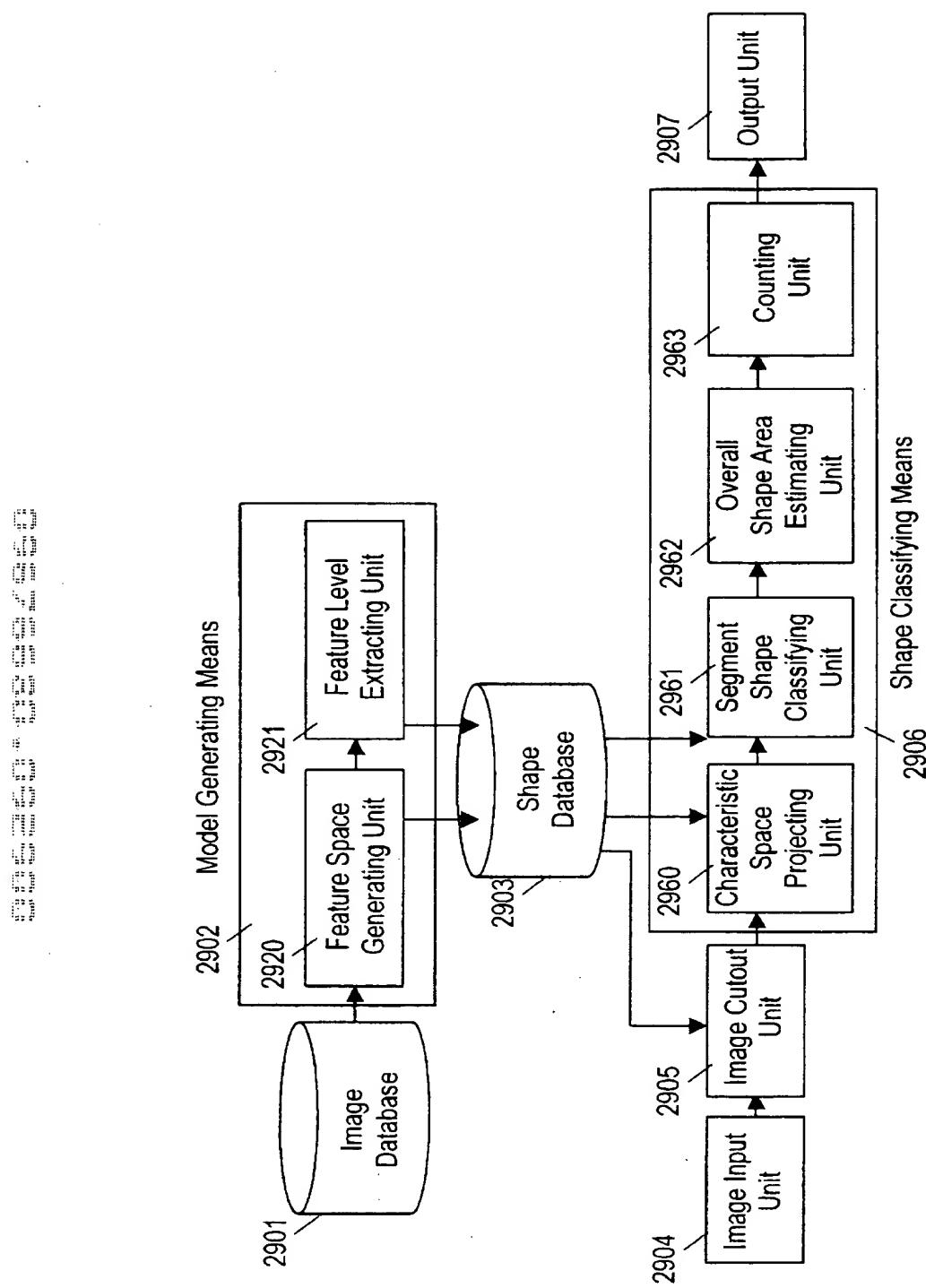


Fig. 30

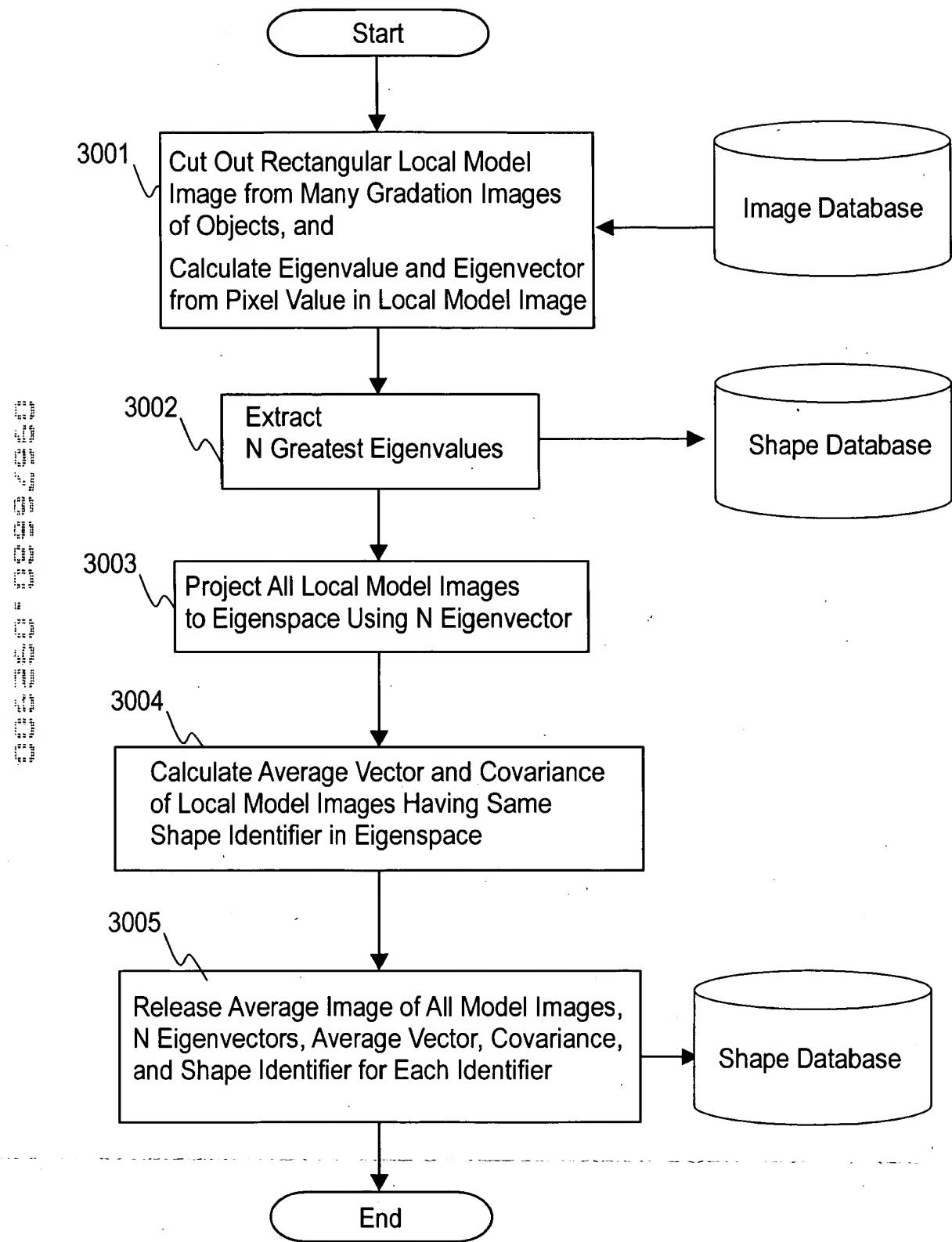


Fig. 31

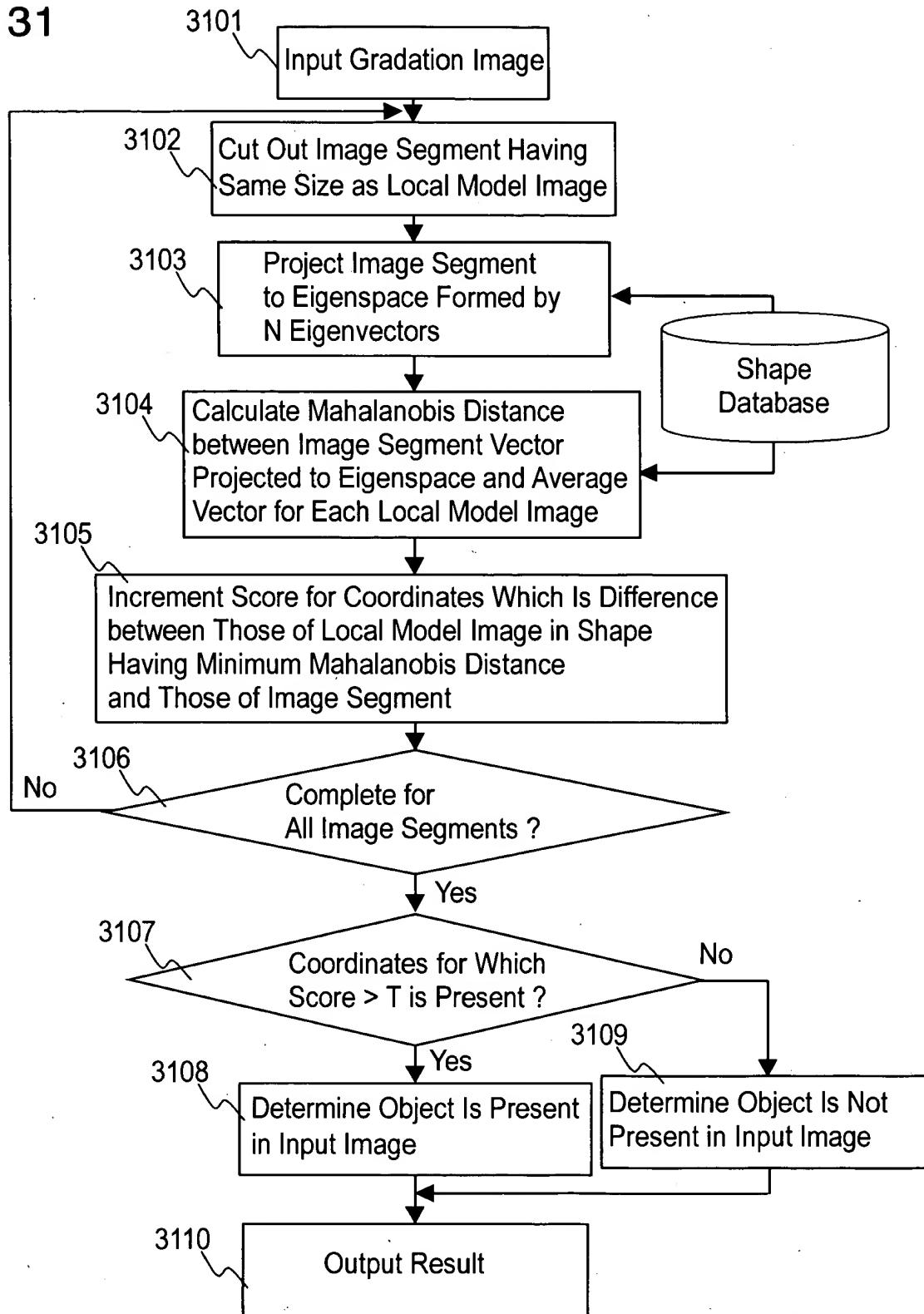


Fig. 32



Shape Identifier :

Shape Name : Sedan A-3
Image File Name : sedan2
Objective Area : (59, 0) - (87, 21)

Shape Identifier :

Shape Name : Sedan A-17
Image File Name : sedan2
Objective Area : (30, 66) - (58, 87)

Fig. 33

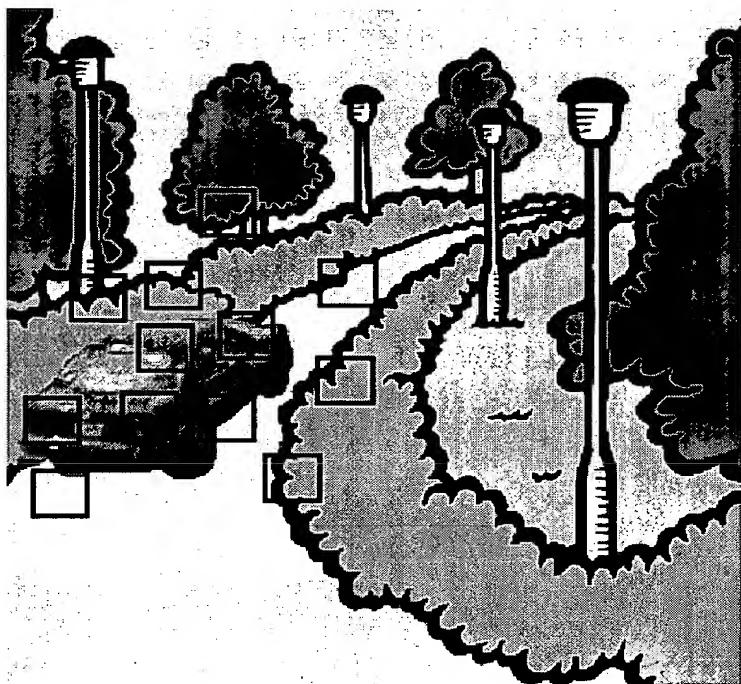


Fig. 34

Position	Score
(74, 365)	29
(20, 365)	5
•	•
•	•
•	•

Fig. 35

Prior Art

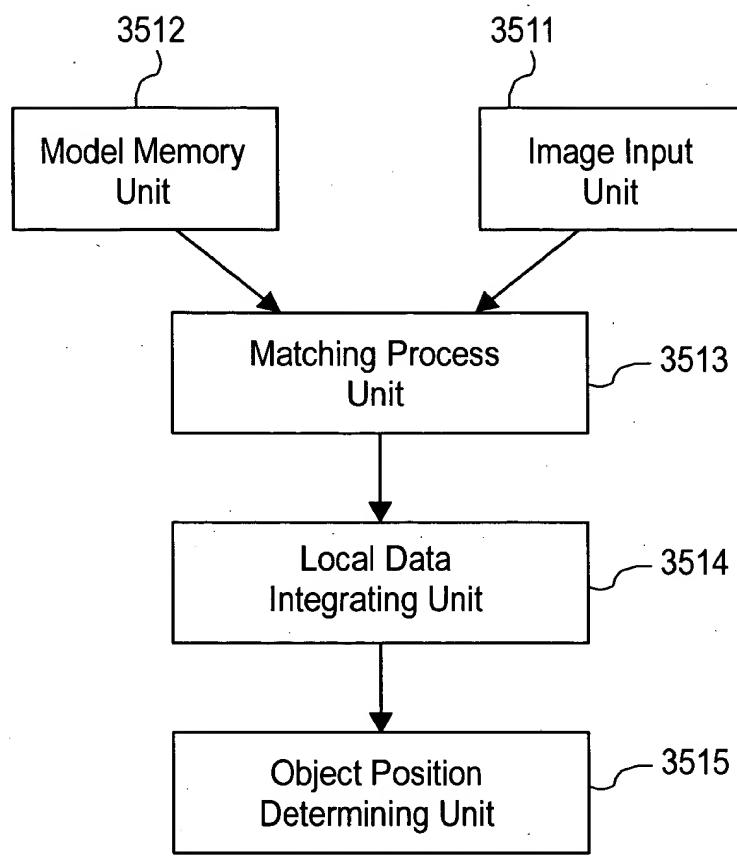


Fig. 36

Prior Art

